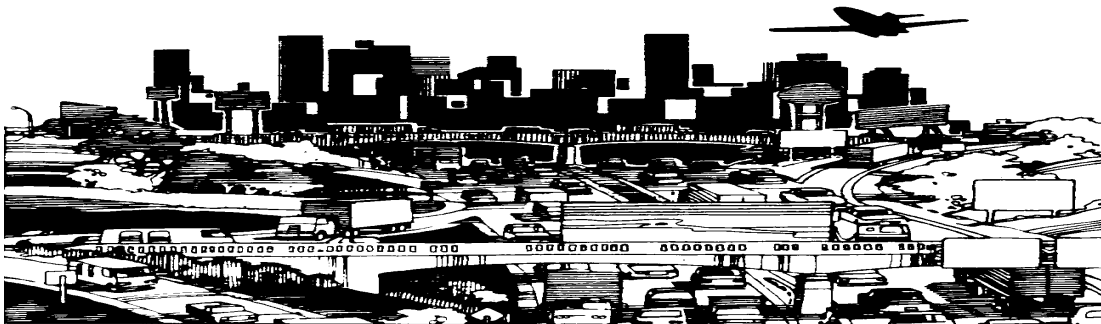




Transportation Research Board Conference
on

Personal Travel: The Long and Short of It

June 28-July 1, 1999



Co- Sponsored by
Federal Highway Administration
Bureau of Transportation Statistics

The Swissôtel Washington - Watergate Hotel, Washington, DC

Personal Travel: The Long and Short of It

The Nationwide Personal Transportation Survey (NPTS) and the American Travel Survey (ATS), both conducted by the U.S. Department of Transportation, together provide a complete description of personal travel by residents of the United States. These surveys provide extensive information on personal travel patterns and allow analysis of a broad spectrum of topics. This conference presents a unique opportunity for participants to explore the full spectrum of personal travel.

Proceedings

This CD ROM contains draft papers submitted for the Conference on Personal Travel: The Long and Short of It in order that attendees may have early access to these ideas and information. After the conference, the papers will undergo a formal review process and final papers will be published by the Transportation Research Board in a conference proceeding. The proceedings will be distributed early in 2000 to those attending the conference. It will also be available on the TRB web site and limited copies will be available through the TRB bookstore.

Conference Goals

- Bring together diverse users of the surveys
- Review the use of the surveys to describe the continuum of travel
- Assess key factors impacting daily and long distance travel
- Analyze the relation of land-use and other geographic factors to travel choices
- Consider the planning and policy implications of travel analyses
- Determine what variables or analyses could enhance the utility of the data
- Identify future research priorities
- Plan future coordination strategies for data collection

Two TRB Committees support the Conference:

A1D10, the Committee on Travel Survey Methods, focuses on all types of travel or activity surveys, including those pertaining to motorized and non-motorized travel; household and commercial travel; travel involving single or multiple occupancy vehicles; and workplace, visitor, or recreational travel. The committee is concerned with survey design, sampling, instrument development, data collection, data processing, data analysis, and reporting of results.

A5016, the Committee on National Transportation Data Requirements and Programs, is concerned with the development of the nationwide and international transportation data needed for informed decision-making, as well as data-related research in all sectors of transportation. Of particular interest is the coordination of transportation statistical programs with non-transportation programs; coordination between national programs and international, private, state, and local systems; and the structuring of statistical standards and criteria that guide the development of comprehensive transportation programs.

Planning Committee

Alan E. Pisarski, Chair	Consultant, Falls Church, VA
Heather Contrino	Bureau of Transportation Statistics
Ed Kashuba	Federal Highway Administration
Susan Lapham	Bureau of Transportation Statistics
Susan Liss	Federal Highway Administration
Nancy McGuckin	Consultant
Elaine Murakami	Federal Highway Administration

Thomas M. Palmerlee Transportation Research Board

Monday

June 28, 1999

2:00pm - 3:15pm **Opening Session ~ Chesapeake**

Welcome and Opening Remarks

Ashish Sen, *Director, Bureau of Transportation Statistics*

The Interaction between Data Analysis and Policy

Gloria Jeff, *Deputy Administrator, Federal Highway Administration*

Conference Goals

Alan Pisarski, *Conference Chair*

3:15pm - 3:45pm **Break**

3:45pm - 5:00pm **Keynote Speaker: Brad Edmondson**

From his background as editor of American Demographics Magazine and experience writing on demographic trends, Edmondson will reflect on the types of data we need to address the evolving questions about transportation's role in society. He will reflect on the adequacy of NPTS and ATS as tools to support that work.

Brad Edmondson is a senior fellow for demographic trends at the Center for The New West. His previous experience includes six years as editor-in-chief of American Demographics, five years a newspaper editor, and two years as a columnist for The Wall Street Journal. His freelance articles have appeared in The Atlantic Monthly, The Washington Post, and other publications. He is a graduate of Cornell University.

5:30pm - 6:30pm **Reception ~ Monticello**

Tuesday

June 29, 1999

8:00am - 9:00am **Continental Breakfast ~ Chesapeake**

9:00am - 9:45am **Plenary Session**

***Current Plans for a Coordinated Nationwide Personal
Transportation Survey and American Travel Survey for
2000***

Susan Liss, *Federal Highway Administration*
Heather Contrino, *Bureau of Transportation Statistics*

9:45am - 10:15am **Break**

10:15am - 11:45am **Concurrent Sessions**

1) *Race and Ethnicity - Session I ~ Potomac*

Chair: Nancy McGuckin, *Consultant*

Residential Location Differences in People of Color

Genevieve Giuliano, *University of Southern California*

Commuting by People of Color

Ravindra Krovi and Claude Barnes, *North Carolina A&T* and
Ruth Ann Hendrickson, *Battelle*

2) *Aging Population and Travel ~ Riverview*

Chair: Susan Lapham, *Bureau of Transportation Statistics*

Older Travelers: Do Place and Race Make a Difference?

Brigitte Waldorf and Sandi Rosenbloom, *University of Arizona*

***An Analysis of Long Distance Travel Behavior of the Elderly and
Low Income***

Nevine Georggi and Ram Pendyala, *University of South Florida*
Influences on Mobility Among Non-Driving Older Americans
Ed Evans, *AARP Research Group*

3) *Travel by Low-Income Households ~ Williamsburg*

Chair: Pat Hu, *Oak Ridge National Laboratory*

Long-Distance Travel by Low Income Households,

William Mallett, *Bureau of Transportation Statistics*

Automobile Ownership Behavior in Low-Income Households

Alissa Gardenhire, *Harvard University* and M. William Sermons,
University of Maryland

4) *Geography's Effects on Travel ~ Continental*

Chair: Ed Christopher, *Bureau of Transportation Statistics*

Regional Variations in Long-Distance Travel

Stacey Bricka, *NuStats International*

Rural Travel Behavior

Richard J. Crepeau, *Appalachian State University*

Noon - 1:45pm

**Lunch: *New Expectations for Transportation Data*
Monticello**

Keynote Speaker: Dr. Martin Wachs

Dr. Wachs will discuss several ways in which transportation data collection reflects the priorities of transportation planners and policymakers at different times in our history. He will show how new problem definitions have grown out of older data collection approaches while at the same time making those approaches obsolete. He will then suggest several transformations that are taking place today with respect to transportation planning and policymaking, and will suggest ways in which data collection and analysis must change in order to address these emerging problems. Among the current policy priorities to be addressed are global warming and other sustainability issues, the growing complementarity between telecommunications and travel, and changing patterns of goods movement in America.

Dr. Wachs is the Director of the University of California Institute of Transportation Studies, and Professor of Civil and Environmental Engineering and City and Regional Planning at Berkeley. He currently serves as Vice Chairman of the Transportation Research Board Executive Committee.

2:00pm - 3:30pm

Concurrent Sessions

5) Gender Issues ~ Continental

Chair: Nancy McGuckin, *Consultant*

Intersection of Sex and Ethnicity in Travel Behavior

D. Gregg Doyle and Brian Taylor, *UCLA*

Redefining Conventional Wisdom: An Exploration of Auto Ownership and Travel Behavior in the U.S.

Deb Niemeier, *University of California, Davis et al.*

6) Survey Methods - Session I ~ Riverview

Chair: Heather Contrino, *Bureau of Transportation Statistics*

Using the NPTS and the ATS Together: A Case Study

Patricia Hu, *Oak Ridge National Laboratory*

Estimating Long-Distance Travel Behavior from the Most Recent Trip

Tony Richardson, *The Urban Institute*

7) Travel Modeling - Session I ~ Williamsburg

Chair: Ram Pendyala, *University of South Florida*

Estimate of Impedance to Inter-City Travel Flows

Piyushimita Thakuriah, Deepak Virmani, *University of Illinois at*

Chicago and Ashish Sen, *Bureau of Transportation Statistics*

Long-Distance Trip Generation Modeling Using ATS

Wende O'Neill, *WestStat*

8) Airport Accessibility ~ Potomac

Chair: Mary Kay Christopher, *Chicago Transit Authority*

Evaluating the Accessibility of US Airports: Results from the ATS

Ho-Ling Hwang, Shih-Miao Chin, *Oak Ridge National Laboratory*

and Felix Ammah-Tagoe, *Bureau of Transportation Statistics*,

Air Traveler Market Segments and Personal Daily Travel Activity

Evelyn Addante, *MarketSense*

3:30pm - 4:00pm **Break**

4:00pm - 5:30pm **Feedback from Data Users: Implications for Content**
Panel 1 ~ **Chesapeake**

Association representatives will discuss major issues facing their constituencies and how existing travel surveys meet their data needs. Panelists will discuss particular user groups and important applications.

Moderator:

Mary Lynn Tischer, *Volpe National Transportation Center*

Panelists:

David Swierenga, *Air Transport Association of America*

David Clawson, *American Association of State Highway and
Transportation Officials*

John Neff, *American Public Transit Association*

Susan Pikrallidas, *AAA*

Wednesday

June 30, 1999

8:00am - 9:00am **Continental Breakfast**

9:00am - 10:15am **The European Experience in Travel Research:**
Paper Presentations ~ **Chesapeake**

Moderator: Elaine Murakami, *Federal Highway
Administration*

European Long-Distance Travel

K.W. Axhausen, *ETH Hongerberg*

***Is It Necessary to Collect Long-Distance and Daily Travel in the
Same Survey?***

Jean-Loup Madre, *French National Institute for Research
Studies for Transportation & Safety (INRETS)* and Jolle Maffre,
CREDOC

Redesign of The Dutch Travel Surveys

Ger Moritz, *Statistics Netherlands* and Werner Brog, *Socialdata*

10:15am - 10:45am **Break**

10:45am - Noon **The European Experience in Travel Research:**
Panel 2

After presenting their papers, European colleagues will share their experiences in collecting long-distance and local data and Eurostat's research about travel surveys. Panelists will discuss similarities and differences in response rates,

methods for sample recruitment and data retrieval, incentives, trip segmentation and multiple travel modes. They will suggest areas where new and robust approaches may be relevant to proposed and future surveys.

Noon - 1:30pm **Lunch ~ Monticello**

1:30 pm -3:00pm **Economics and Travel: Panel 3 ~ Chesapeake**

This panel offers a chance to look at travel through an economic lens rather than the transportation filter we often use. Economic analysis is a key component of long-distance travel and tourism. Market segmentation using economic variables may be particularly useful to many current and potential users of survey data. Panelists will reflect on measuring costs, spending and other economic factors as well as the impacts of mid-range travel.

Moderator:

Alan Pisarski, *Conference Chair*

Panelists:

Doug Frechtling, *George Washington University*

Don Pickrell, *Volpe National Transportation System Center*

Sumiye Okubo, *Bureau of Economic Analysis*

Rick Miller, *World Travel and Tourism Council*

3:00pm - 3:30pm **Break**

3:30pm - 5:00pm **Concurrent Sessions**

9) Race and Ethnicity - Session II ~ Potomac

Chair: Elaine Murakami, *Federal Highway Administration*

The Influence of Consumer Culture Orientation and Race on Travel Behavior

Johanna Zmud and Carlos Arce, *NuStats International*

Mode Choice by People of Color for Non-Work Travel

Steven E. Polzin, P.E., Ph.D., *University of South Florida et al.*

10) Survey Methods - Session II ~ Continental

Chair: Lee Giesbrecht, *Bureau of Transportation Statistics*

Use of Electronic Diary in 1999-2000 Atlanta Household Travel Survey

Jean Wolf, Randall Guenslar, and Simon Washington, *Georgia Institute of Technology*

Cognitive Lab Approach to Instrument Design

Maria Youssefzadeh, *Steer Davies Gleave*

Design and Application of Computerized Household Activity Scheduling Surveys

Sean Doherty, *Universite Laval*

11) Travel Modeling - Session II ~ Williamsburg

Chair: Susan Liss, *Federal Highway Administration*

Simulating Household Travel Survey Data in Metropolitan Areas

Stephen Greaves, *Louisiana State University*

Research into Using the NPTS for Transportation Planning: Current Status

Patricia Hu, *Oak Ridge National Laboratory*

Identifying Passenger Corridors on the US Highway System Using ATS

Shih-Miao Chin and Ho-Ling Hwang, *Oak Ridge National Laboratory*

12) Air Quality ~ Riverview

Chair: Deb Niemeier, *University of California - Davis*

Older Vehicles and Air Quality

Jennifer Dill, *UC Berkeley*

Improving Air Quality Models in New York State: Utility of the 1995 NPTS

Nathan Erlbaum, *NYDOT*

Enhancing Understanding of Non-Work Trip Making

John Niles and Dick Nelson, *Global Telematics*

5:00pm – 7:00pm **Grainau Meeting ~ Mt. Vernon**

Thursday

July 1, 1999

8:00am - 9:00am **Continental Breakfast ~ Chesapeake**

9:00am - 10:15am **Policy: What Have We Learned?**

Panel 4

During this wrap-up, key government and private sector representatives will reflect on how conference findings relate to current issues such as high speed rail, ITS deployment, welfare to work initiative, the transportation/land use interaction, liveable communities, and the economics of travel.

Moderator:

Barna Juhasz, *Federal Highway Administration*

Panelists:

Gloria Jeff, *Federal Highway Administration*

Nuria Fernandez, *Federal Transit Authority*

Donald Itzkoff, *Federal Railroad Administration*

Rolf Schmitt, *Bureau of Transportation Statistics*

Suzanne Cook, *Travel Industry Association of America*

10:15am - 10:45am **Break**

10:45am - Noon **Methods: Reflections from the Conference on ATS**

and NPTS 2000: Panel 5 ~ Chesapeake

Participants in this panel will share their thinking on how this conference will influence the NPTS or ATS plans for 2000. What new issues have been raised, what problems have been clarified (i.e. what were issues, but now have been resolved), what items can be omitted, what items need to be added, and how can the data be more useful? This is an opportunity for the panel members to ask the conference participants questions about the trade-off between response rate, burden, and anything else. Also, what new methods are most likely to be incorporated into the surveys, and how will their impact be measured?

Moderator:

Johanna Zmud, *NuStats International*

Panelists

K.W. Axhausen, *Leopold-Franzens University*

Susan Lapham, *Bureau of Transportation Statistics*

Ed Kashuba, *Federal Highway Administration*

Noon - 12:30pm

Closing Remarks

Alan Pisarski, *Conference Chair*

1:00pm – 4:00pm

Planning Committee Lunch Meeting ~ Boardroom

